

## IN THE CLAIMS:

Please amend the claims as follows:

1. A pad for placement between a pipe and a surface supporting the pipe, comprising:  
a main body, with a profile shape in a plane transverse to its primary axis  
comprising a convex top and a substantially flat bottom, said convex top being closed  
and said flat bottom being open, and wherein said main body comprises a lattice internal  
structure comprising a plurality of ribs oriented substantially vertically when said bottom  
is substantially horizontal, said ribs running from said bottom to said top,  
wherein said plurality of ribs forms a lattice, comprising ribs which are  
substantially parallel to said primary axis of said main body, ribs which are substantially  
perpendicular to said primary axis of said main body, and ribs which are at an acute  
angle to said primary axis, and  
wherein said main body is formed of a plastic material via injection molding.
2. The pad of Claim 1, wherein said plastic material is glass fiber filled polyurethane.
3. The pad of Claim 1, wherein said plastic material is glass fiber filled nylon.
4. The pad of Claim 1, wherein said plastic material is rubber filled polypropylene  
comprising 25% rubber/75% polypropylene by volume.
5. The pad of Claim 1, further comprising dovetails on each end of said main body, one of  
said dovetails having a male profile and the other of said dovetails having a female  
profile.
6. The pad of Claim 5, wherein said plastic material is glass fiber filled polyurethane.
7. The pad of Claim 5, wherein said plastic material is glass fiber filled nylon.
8. The pad of Claim 5, wherein said plastic material is rubber filled polypropylene  
comprising 25% rubber/75% polypropylene by volume.
9. The pad of Claim 1, wherein said main body is elongated, and said primary axis is in the  
direction of elongation.

10. The pad of Claim 9, further comprising dovetails on each end of said main body, one of said dovetails having a male profile and the other of said dovetails having a female profile.
11. An injection molded plastic pad for placement between a pipe and a surface supporting the pipe, comprising:
  - an elongated main body comprising a lattice internal structure, said lattice comprising a plurality of ribs disposed substantially parallel to the direction of the force applied by a pipe being supported, said elongated main body having a convex, closed top surface covering an upper end of said ribs, a lower end of said ribs terminating at a common distance thereby forming an open, substantially flat bottom,
  - wherein said plurality of ribs forms a lattice, comprising ribs which are substantially parallel to said primary axis of said main body, ribs which are substantially perpendicular to said primary axis of said main body, and ribs which are at an acute angle to said primary axis, and
  - wherein said pad further comprises dovetails on each end of said main body, one of said dovetails having a male profile and the other of said dovetails having a female profile.
12. The pad of Claim 11, wherein said plastic material is glass fiber filled polyurethane.
13. The pad of Claim 11, wherein said plastic material is glass fiber filled nylon.
14. The pad of Claim 11, wherein said plastic material is rubber filled polypropylene comprising 25% rubber/75% polypropylene by volume.
15. A pad for placement between equipment and its support, comprising:
  - a main body, with a profile shape in a plane transverse to its primary axis comprising a convex top and a substantially flat bottom, said convex top being closed and said flat bottom being open, and wherein said main body comprises a lattice internal

structure comprising a plurality of ribs oriented substantially vertically when said bottom is substantially horizontal, said ribs running from said bottom to said top,

wherein said plurality of ribs forms a lattice, comprising ribs which are substantially parallel to said primary axis of said main body, ribs which are substantially perpendicular to said primary axis of said main body, and ribs which are at an acute angle to said primary axis, and

wherein said main body is formed of a plastic material via injection molding.

16. The pad of Claim 15, wherein said plastic material is glass fiber filled polyurethane.
17. The pad of Claim 15, wherein said plastic material is glass fiber filled nylon.
18. The pad of Claim 15, wherein said plastic material is rubber filled polypropylene comprising 25% rubber/75% polypropylene by volume.